

(12) NACH DEM VERTRAG ÜBER DIE INTERNATIONALE ZUSAMMENARBEIT AUF DEM GEBIET DES
PATENTWESENS (PCT) VERÖFFENTLICHTE INTERNATIONALE ANMELDUNG

(19) Weltorganisation für geistiges Eigentum
Internationales Büro



(43) Internationales Veröffentlichungsdatum
26. Mai 2005 (26.05.2005)

PCT

(10) Internationale Veröffentlichungsnummer
WO 2005/047227 A1

- (51) Internationale Patentklassifikation⁷: **C07C 67/29**, 69/54
- (21) Internationales Aktenzeichen: PCT/EP2004/008182
- (22) Internationales Anmeldedatum:
22. Juli 2004 (22.07.2004)
- (25) Einreichungssprache: Deutsch
- (26) Veröffentlichungssprache: Deutsch
- (30) Angaben zur Priorität:
103 49 972.5 24. Oktober 2003 (24.10.2003) DE
- (71) Anmelder (für alle Bestimmungsstaaten mit Ausnahme von US): **RÖHM GMBH & CO. KG** [DE/DE]; Kirschenallee, 64293 Darmstadt (DE).
- (72) Erfinder; und
- (75) Erfinder/Anmelder (nur für US): **BRÖLL, Dirk** [DE/DE]; Nördliche Ringstrasse 26, 63225 Langen (DE).
- (74) Gemeinsamer Vertreter: **RÖHM GMBH & CO. KG**; Intellectual Property Management, Patente, Kirschenallee, 64293 Darmstadt (DE).
- (81) Bestimmungsstaaten (soweit nicht anders angegeben, für jede verfügbare nationale Schutzrechtsart): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Bestimmungsstaaten (soweit nicht anders angegeben, für jede verfügbare regionale Schutzrechtsart): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), eurasisches (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), europäisches (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Veröffentlicht:**
— mit internationalem Recherchenbericht
- Zur Erklärung der Zweibuchstaben-Codes und der anderen Abkürzungen wird auf die Erklärungen ("Guidance Notes on Codes and Abbreviations") am Anfang jeder regulären Ausgabe der PCT-Gazette verwiesen.*

(54) Title: METHOD FOR PRODUCING POLYMERISABLE POLYHYDROXY COMPOUNDS

(54) Bezeichnung: VERFAHREN ZUR HERSTELLUNG VON POLYMERISIERBAREN POLYHYDROXYVERBINDUNGEN

(57) Abstract: The invention relates to a method for producing glycerol monomethacrylate (GMA).

(57) Zusammenfassung: Die Erfindung beschreibt ein Verfahren zur Herstellung von Glycerinmonomethacrylat (GMA).



WO 2005/047227 A1

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C07C67/29 C07C69/54

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 C07C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, CHEM ABS Data, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 00/63149 A (GLASBEY TREVOR OWEN ; HYDRON LTD (GB); HOLSTOCK BARRY C (GB)) 26 October 2000 (2000-10-26) page 1 (lines 5-6, 10), page 11 (lines 14-15), page 16 (lines 5-6), claims 1-23	1-5
X	WO 00/63150 A (GLASBEY TREVOR OWEN ; HOLDSTOCK BARRY CHARLES (GB); HYDRON LTD (GB)) 26 October 2000 (2000-10-26)	1-5
Y	page 7 (lines 1-3), page 11 (lines 22-23), page 12 (lines 4-5), page 16, examples 1-4, claims 1-21	2,3
Y	WO 90/07547 A (BASF AG) 12 July 1990 (1990-07-12) the whole document	2,3

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the international search

14 December 2004

Date of mailing of the international search report

22/12/2004

Name and mailing address of the ISA
European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax (+31-70) 340-3016

Authorized officer

Bueno Torres, M